

FIG. 1

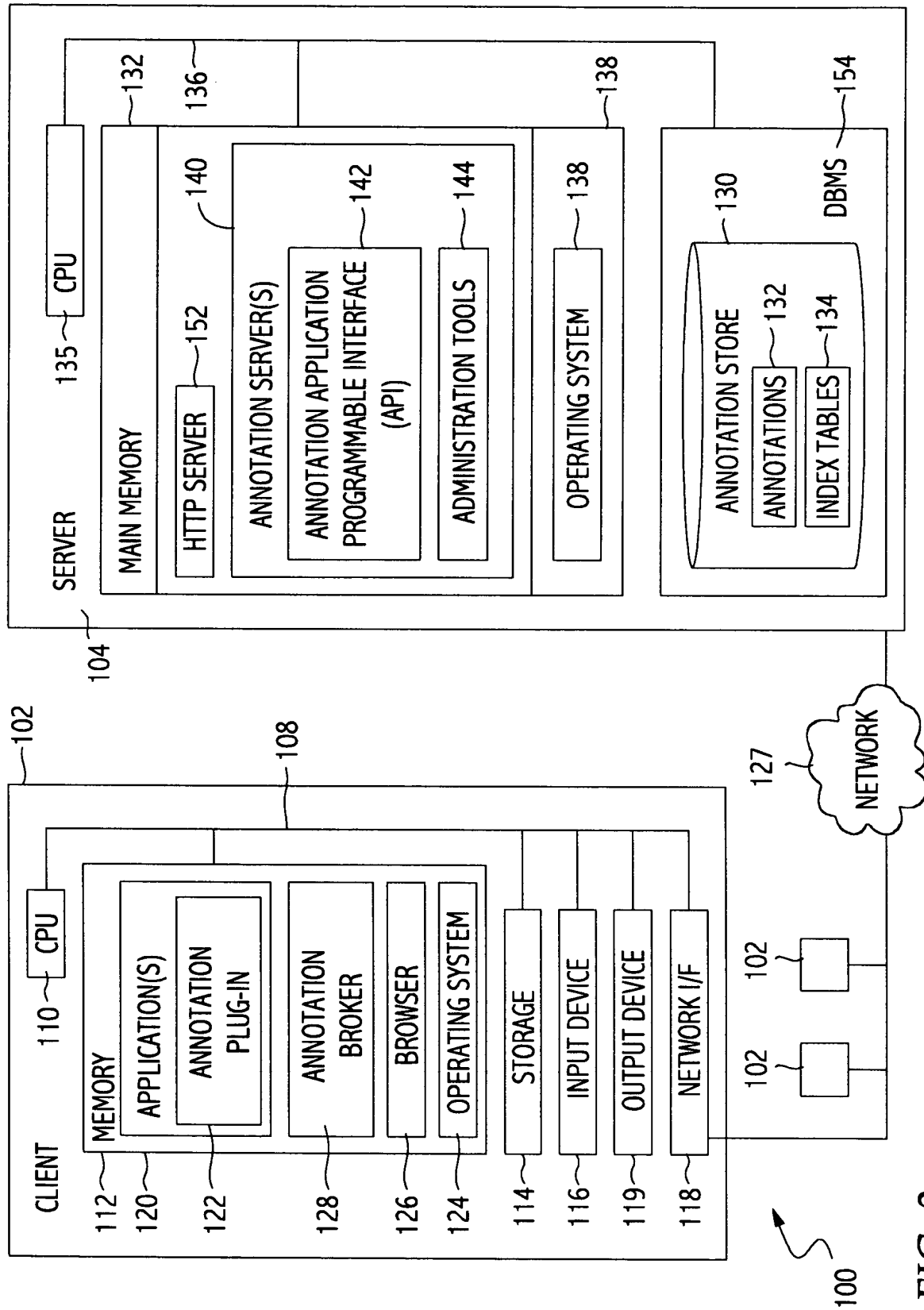


FIG. 2

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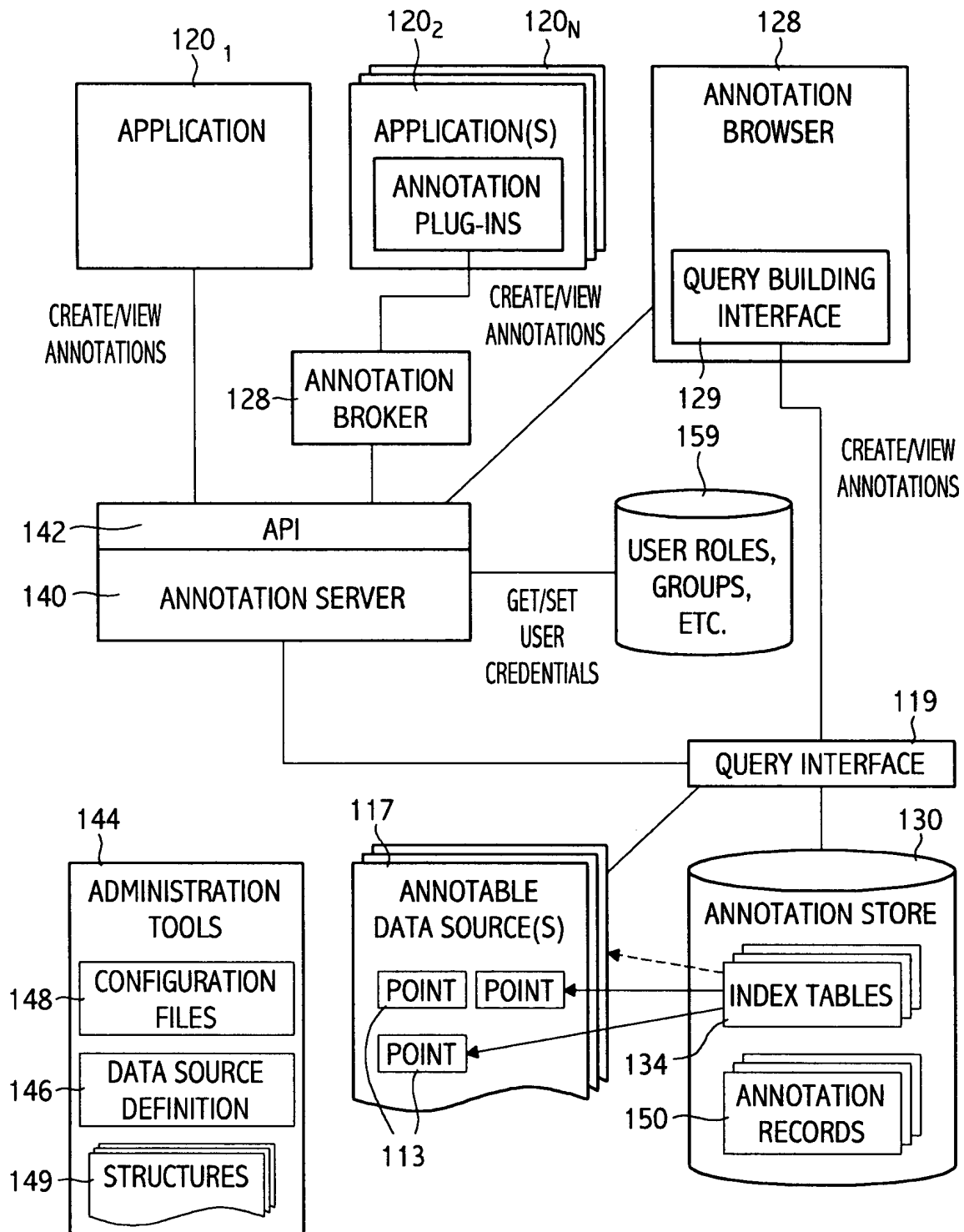


FIG. 3A

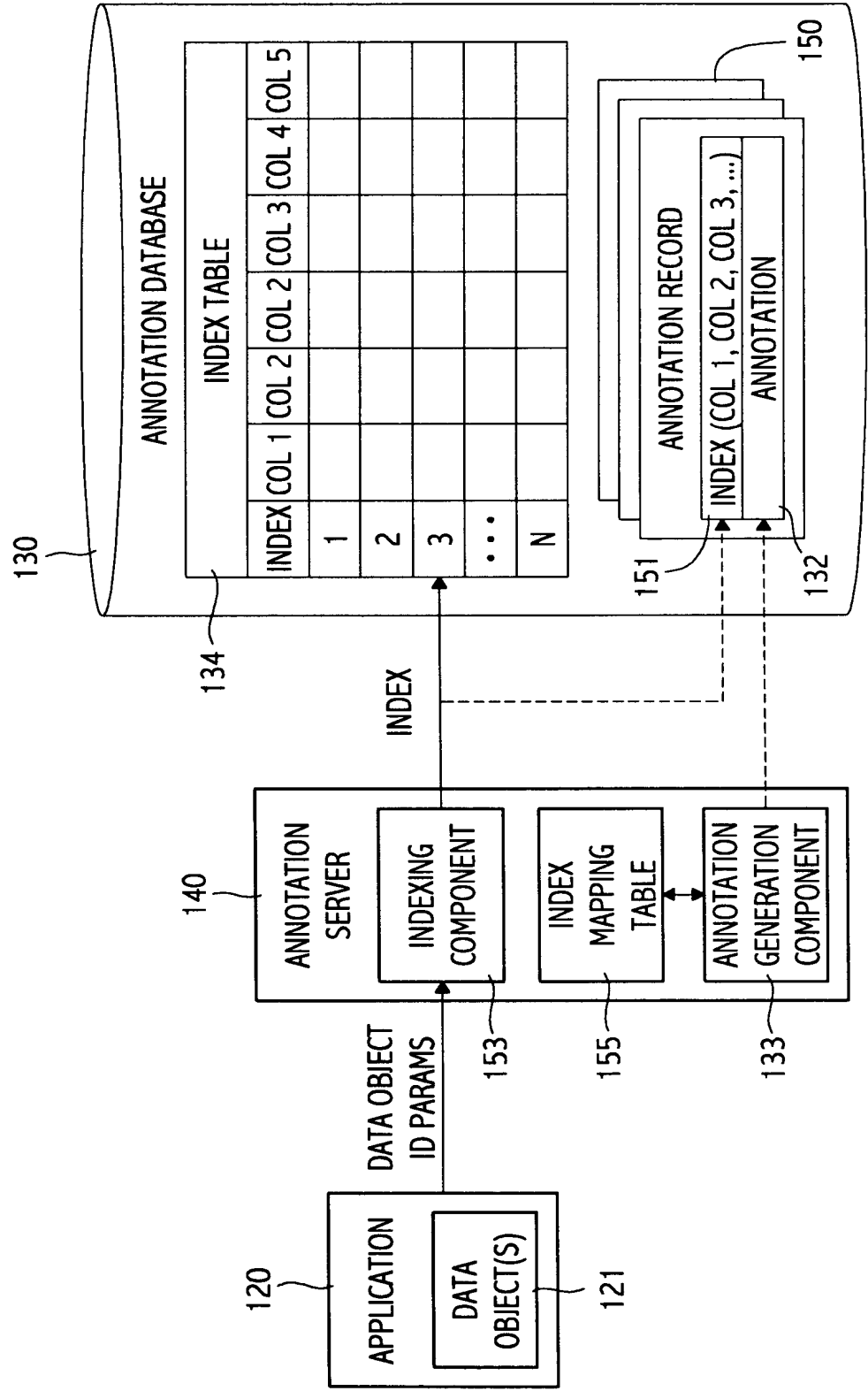


FIG. 3B

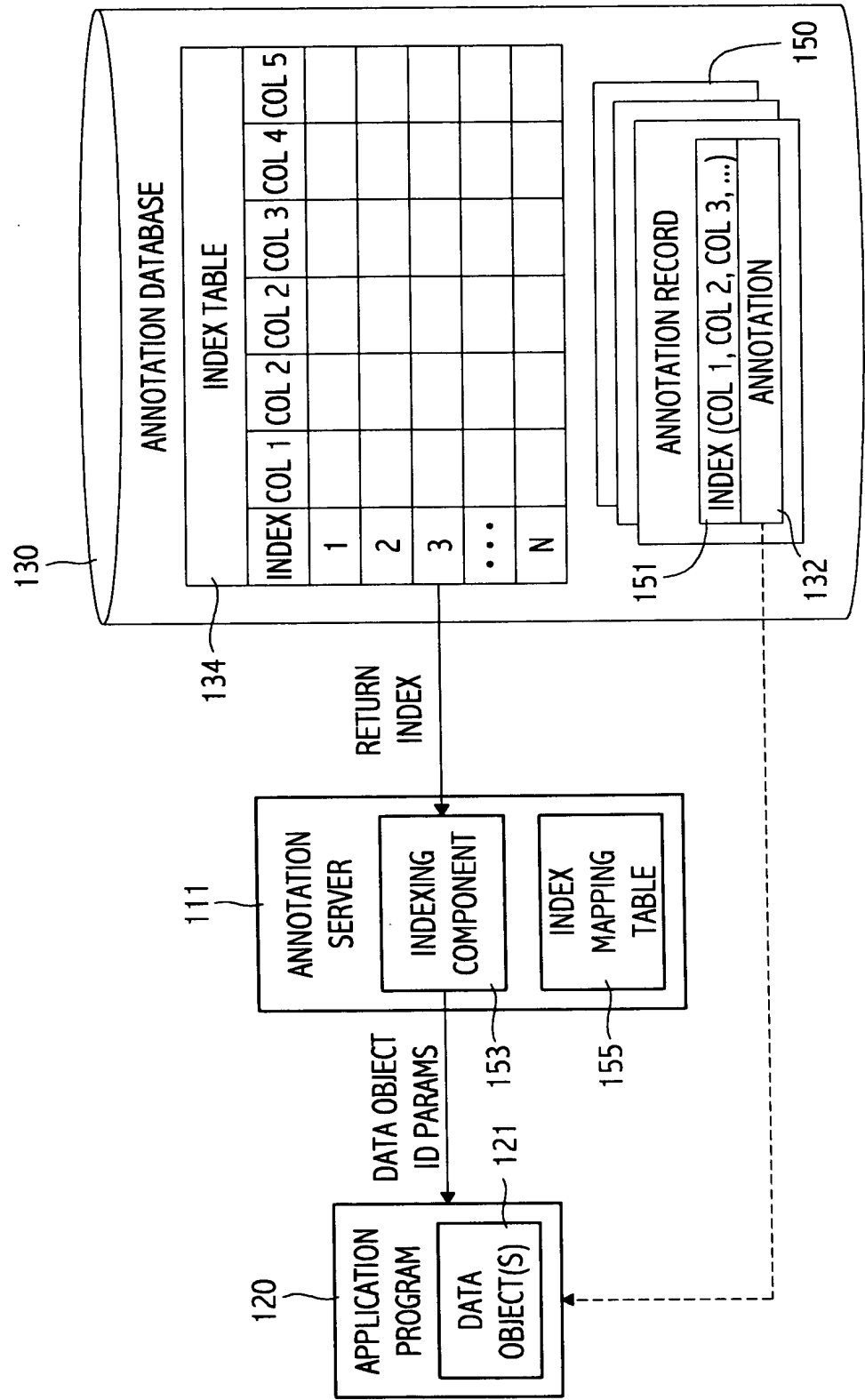



FIG. 3C



API FUNCTION	DESCRIPTION
QueryRoles	Get a list of roles for the user.
SetRole	Set the active set of roles for the session.
Query Structure Names	Given the data source type and subtype of the target documents and all of the points in those documents the user wants to annotate, return the list of available structures.
QueryStructureTransforms	Given an annotation type returned from QueryStructureNames API, return an array of URLs to XSL transforms.
QueryPoints	Given a GUID, and list of DataSourceVersions, return a list of data sources and the points in the data sources.
QueryAnnotationIDS	Given a list of search criteria, return an array of annotation GUIDs that match the criteria.
GetAnnotation	Return the annotation data for a given GUID
CreateAnnotation	Create a new annotation with provided data and access control information
UpdateAnnotation	Replace specific fields in an annotation which results in a new version of the annotation
DeleteAnnotation	Delete (or hide) the specified annotation
AddPoint	Take an existing Annotation and add a new annotated point to it
DeletePoint	Delete a point from an annotation
QueryAllowedPointTypes	Return the allowed point types and subtypes given a data source type and subtype
QueryDataSourceSubtypes	Return the configured data source subtypes given a data source type

FIG. 3D

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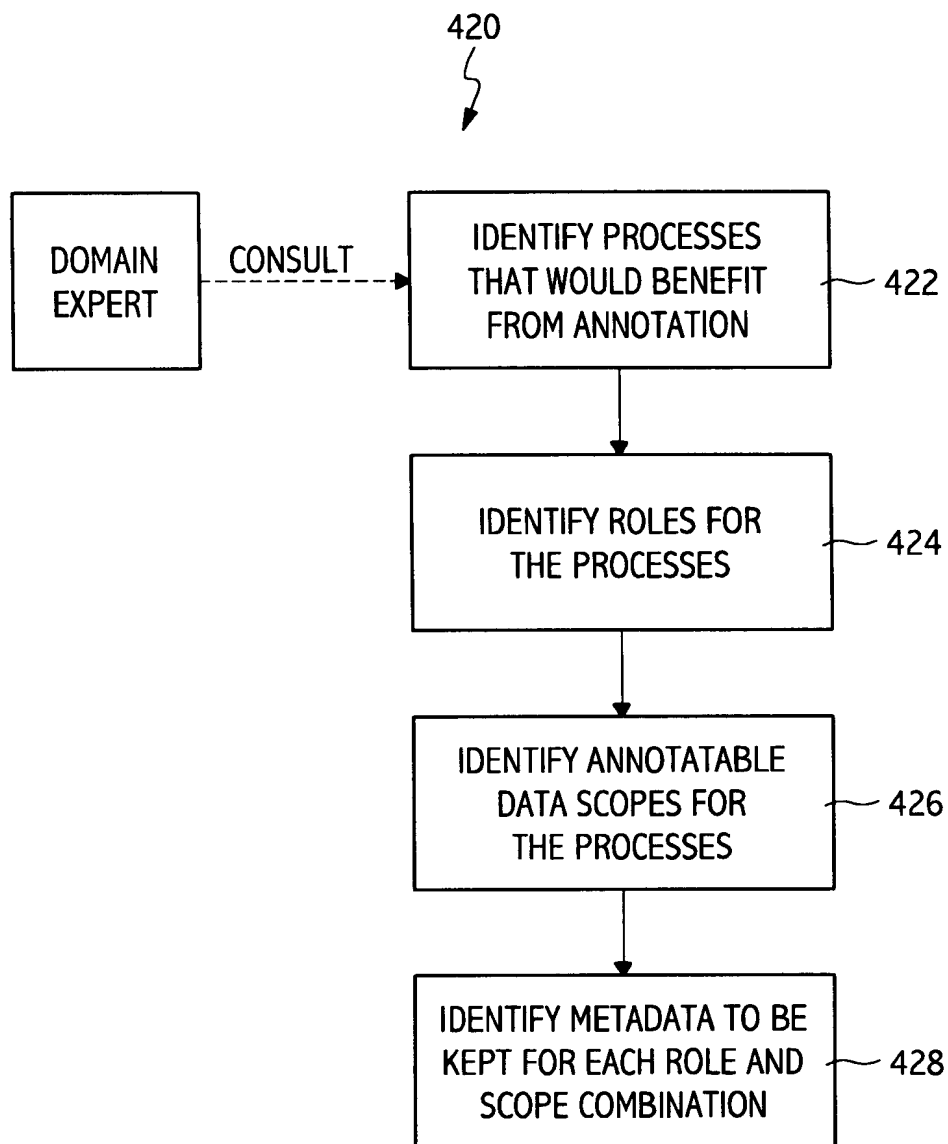


FIG. 4A

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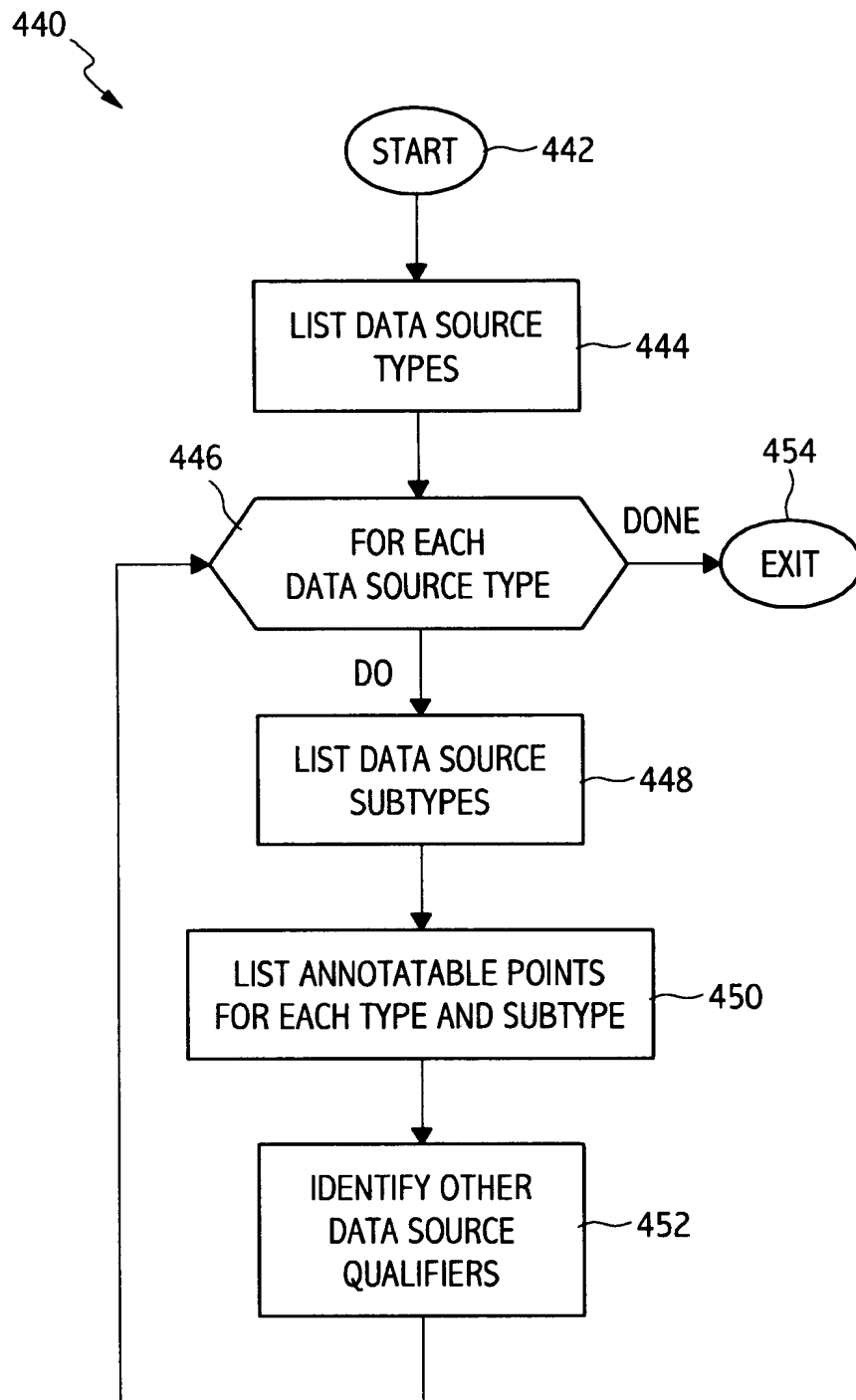


FIG. 4B

Data Source Type	Point Type	Meta Information
Relational (and Excel)	Table	Table Name
	Column	Table Name, Column Name
	Cell	Table Name, Key, Column Name
	Row	Table Name, Key
Word Document/HTML file	Document	Path
	Word Range	Path, Start character, End character
Spotfire File	Spot	Context, View, Marked Record, Column
	Cluster	Context, View, Marked Record, Column
	Row	Context, View, Marked Record
	Column	Context, View, Column
	File	Context, View
Pdf (requires Adobe Framemaker)	Text	Page, Start word, End word, Start of set, End of set
	Graphic	Page, Top, Left, Bottom, Right

FIG. 4C

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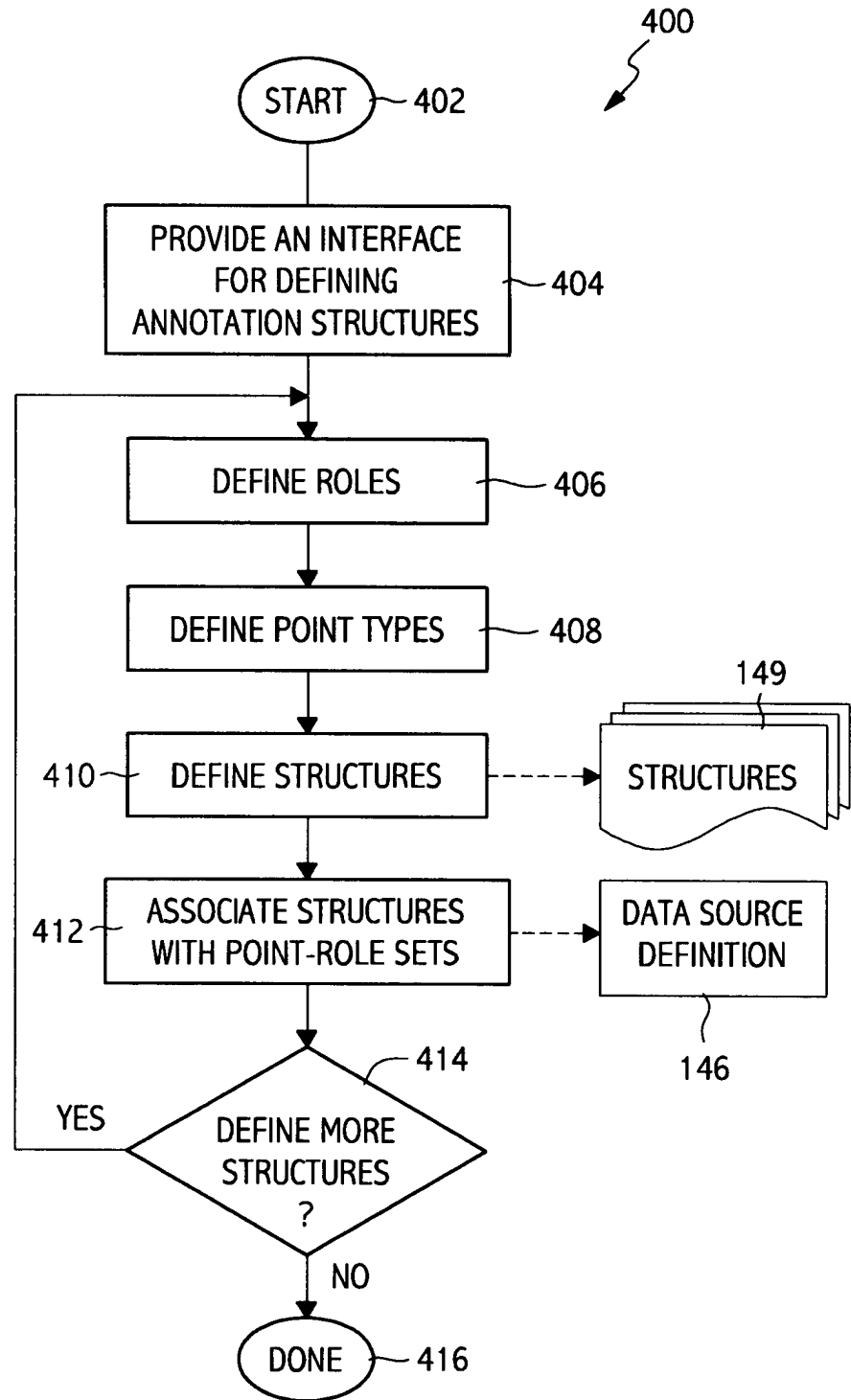


FIG. 4D

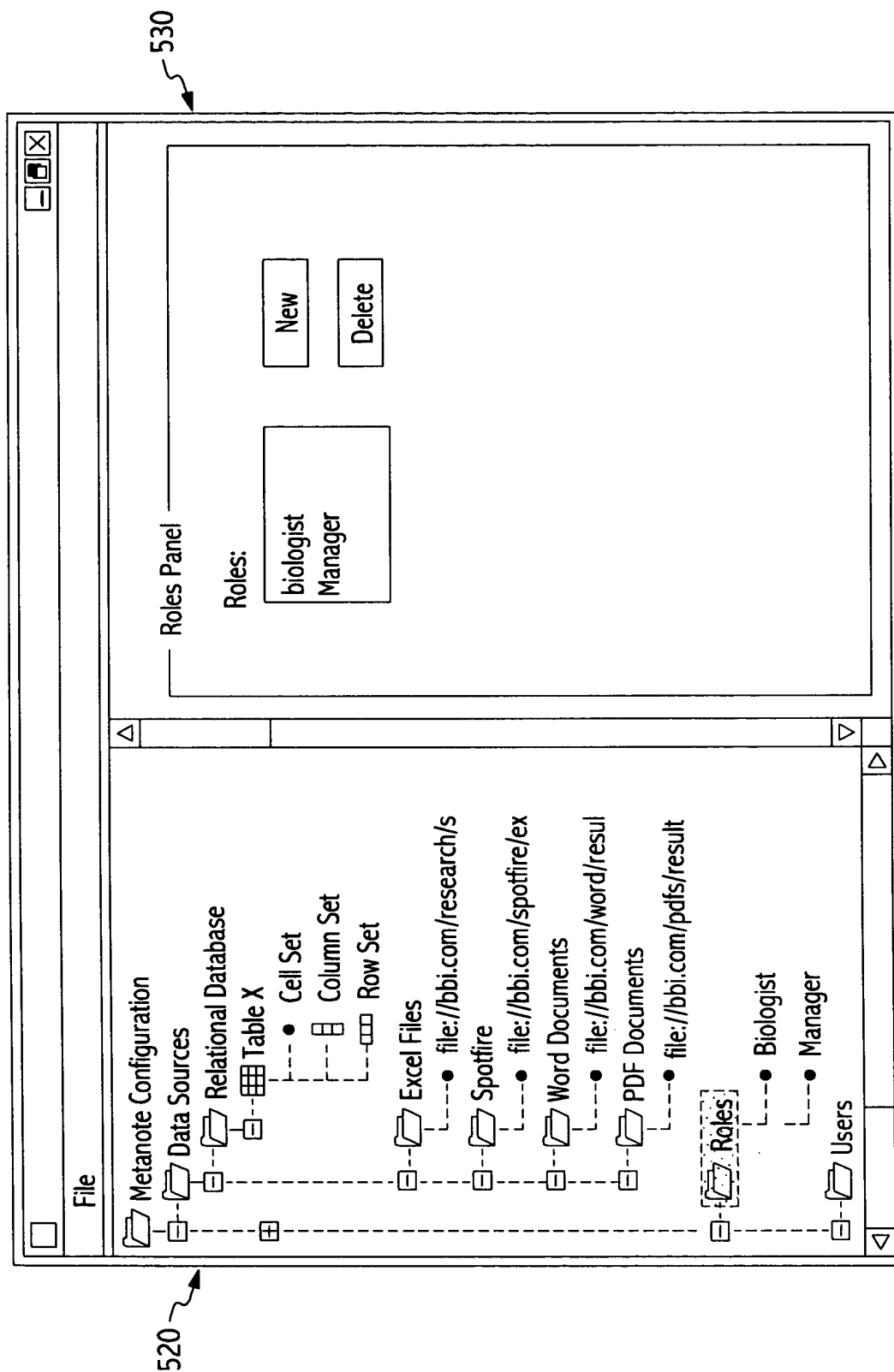


FIG. 5A

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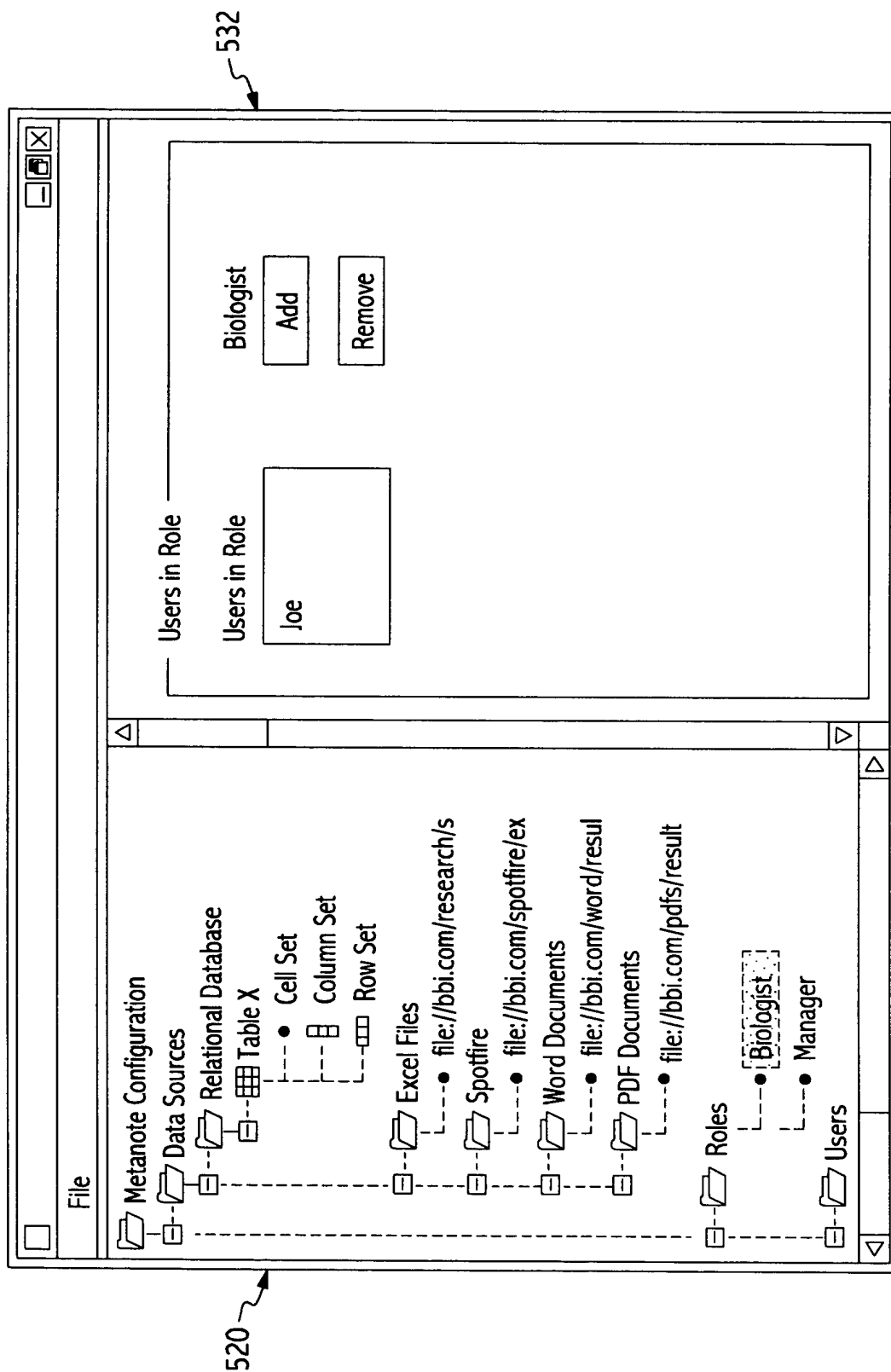


FIG. 5B

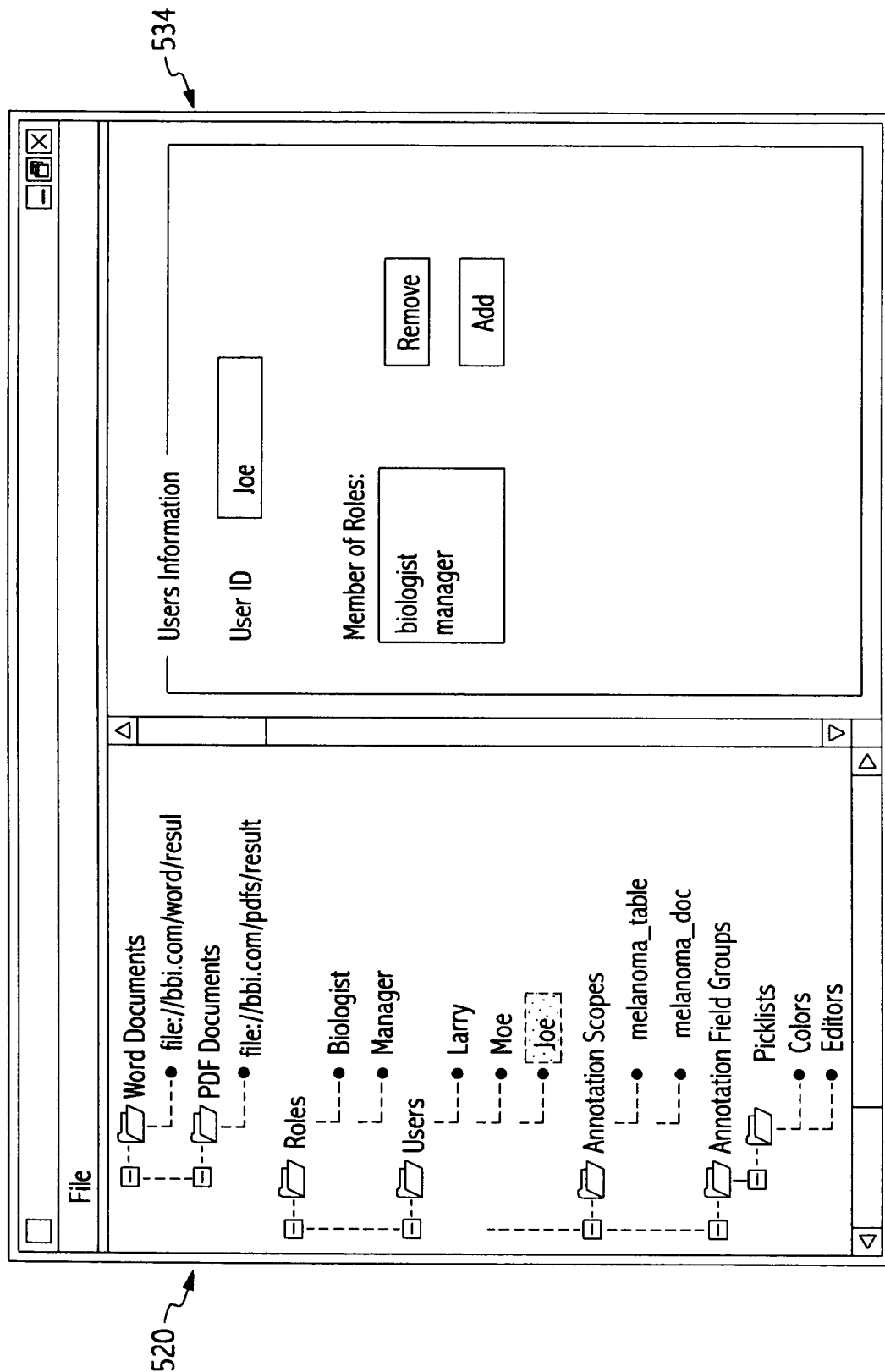


FIG. 5C

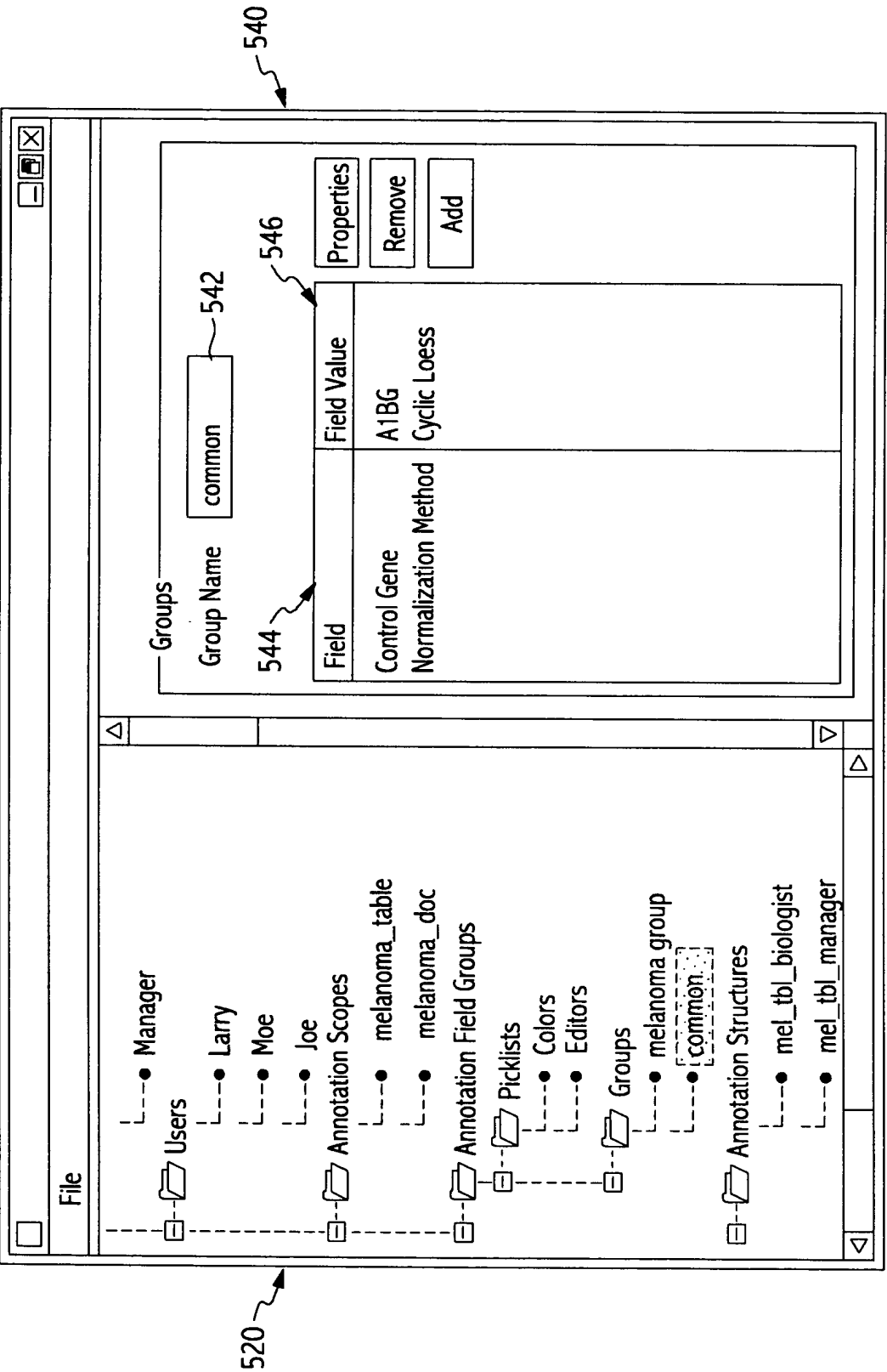


FIG. 5D

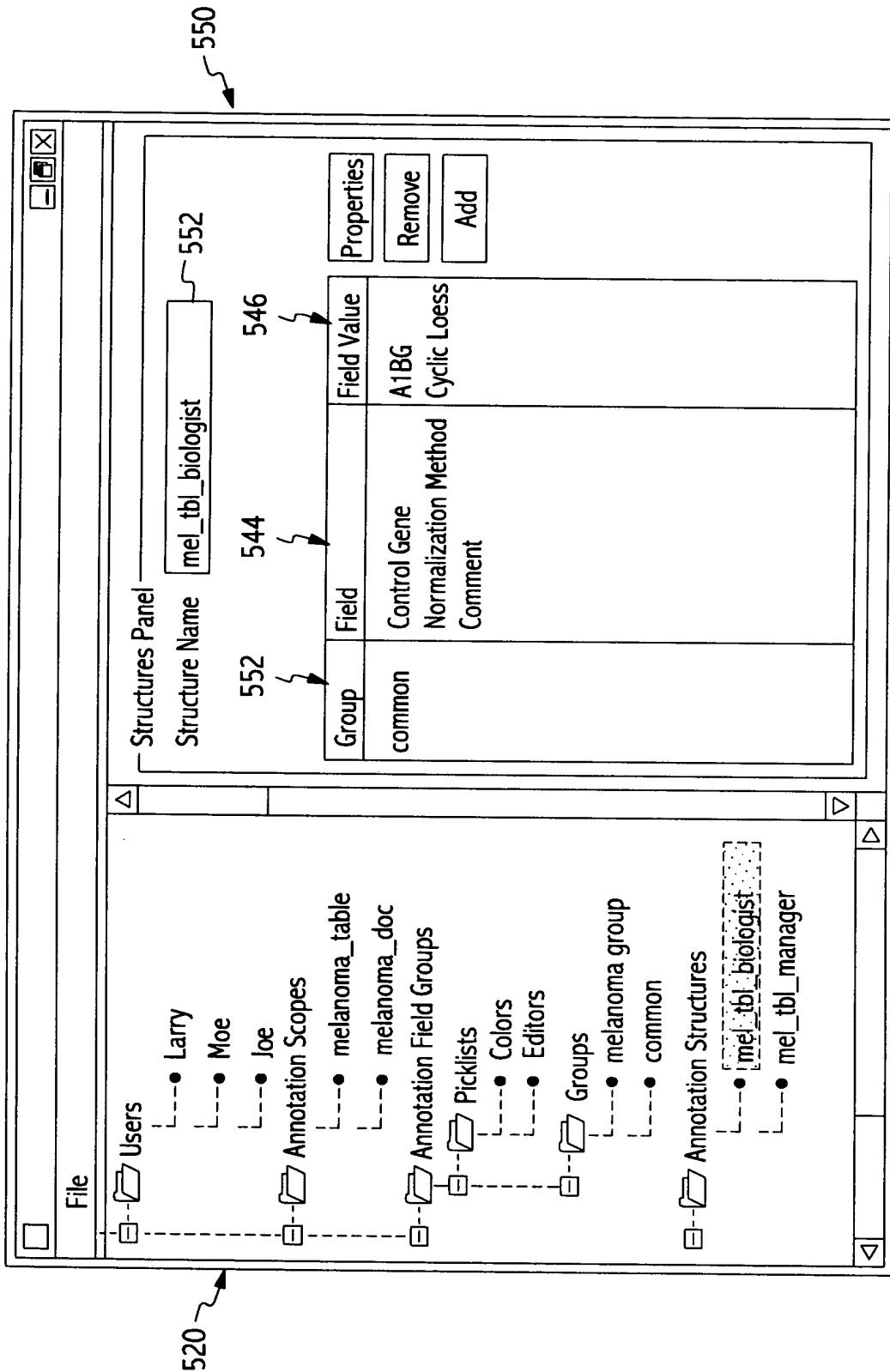


FIG. 5E

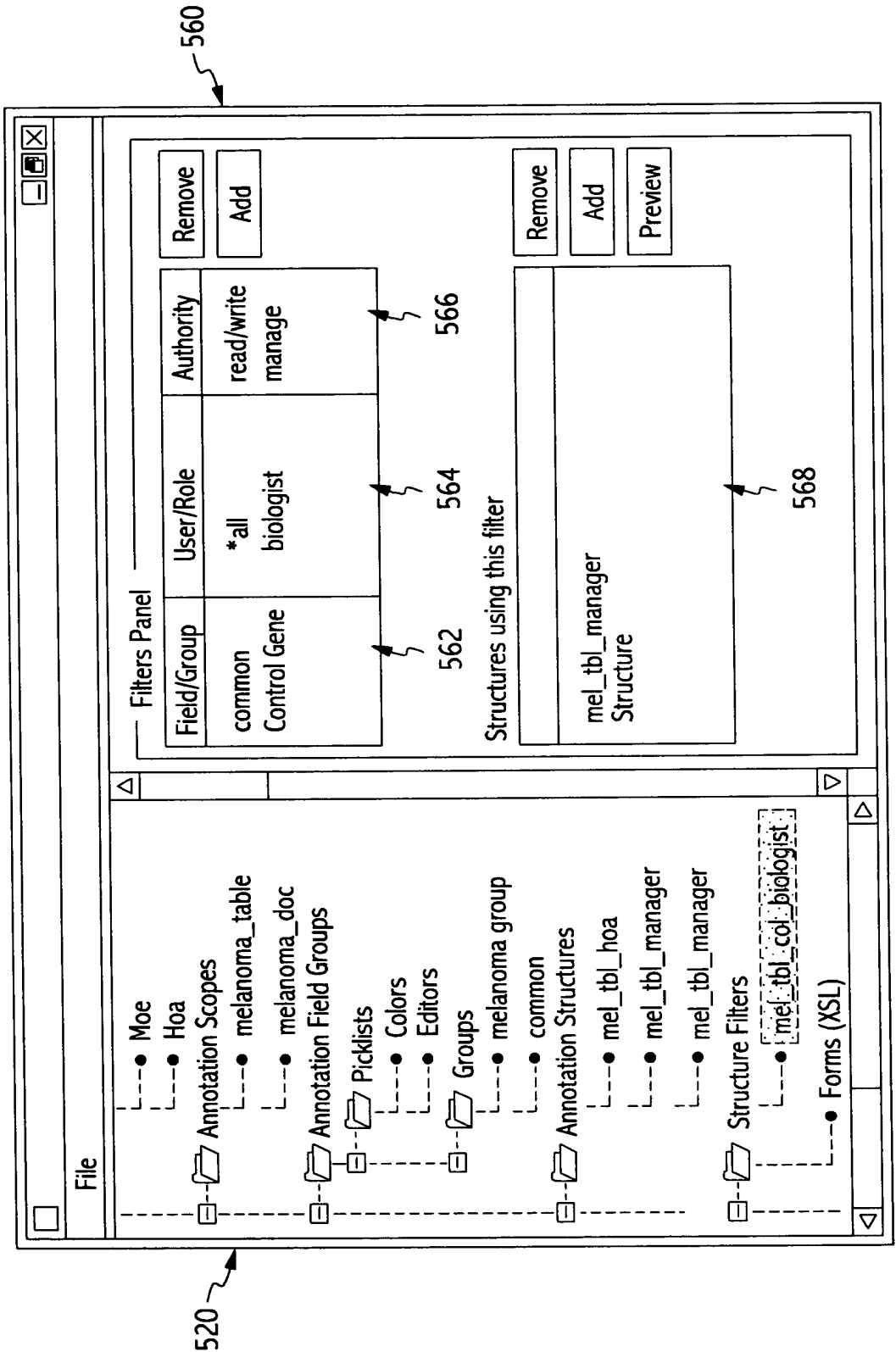


FIG. 5F

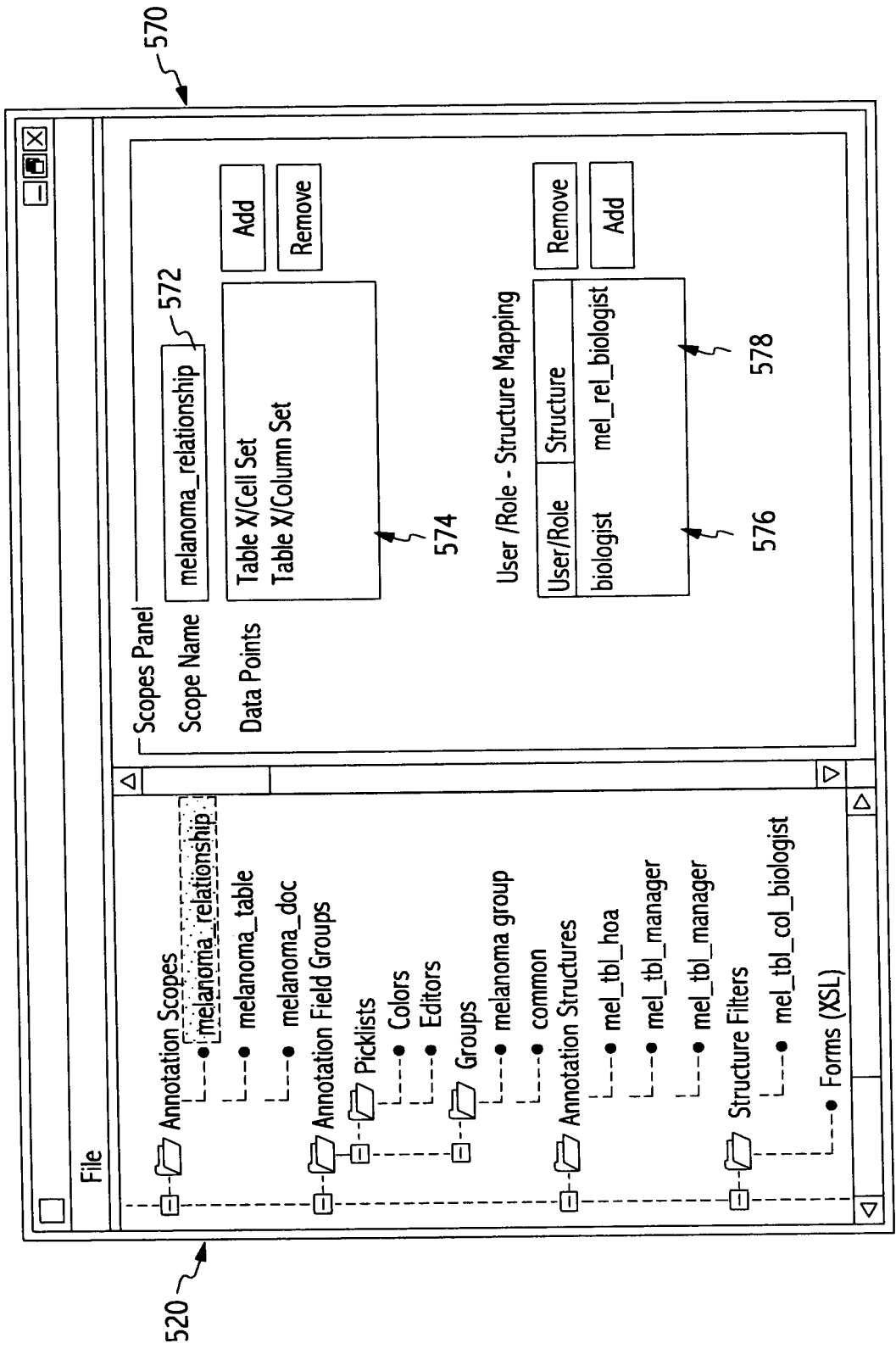


FIG. 5G

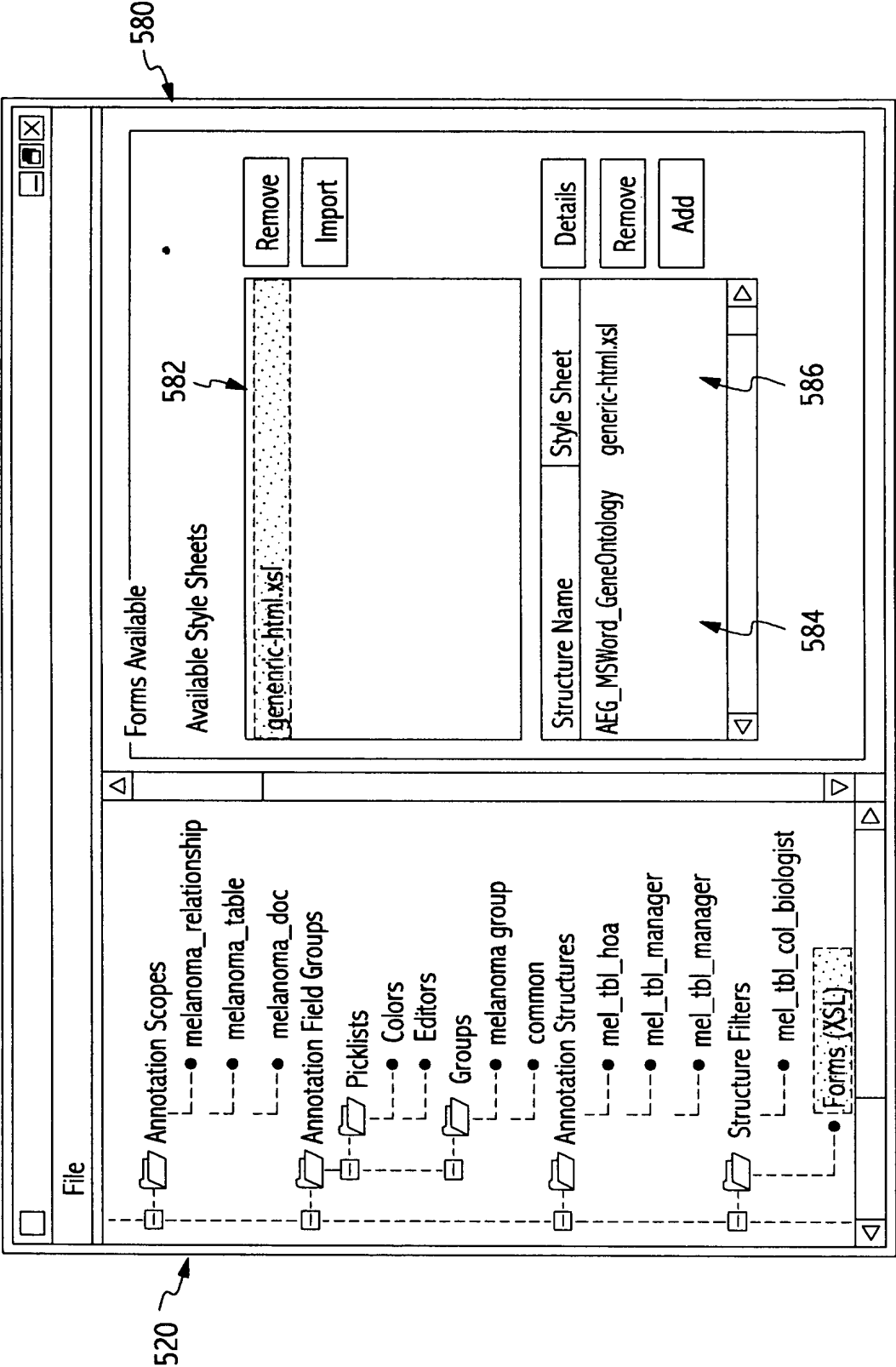


FIG. 5H

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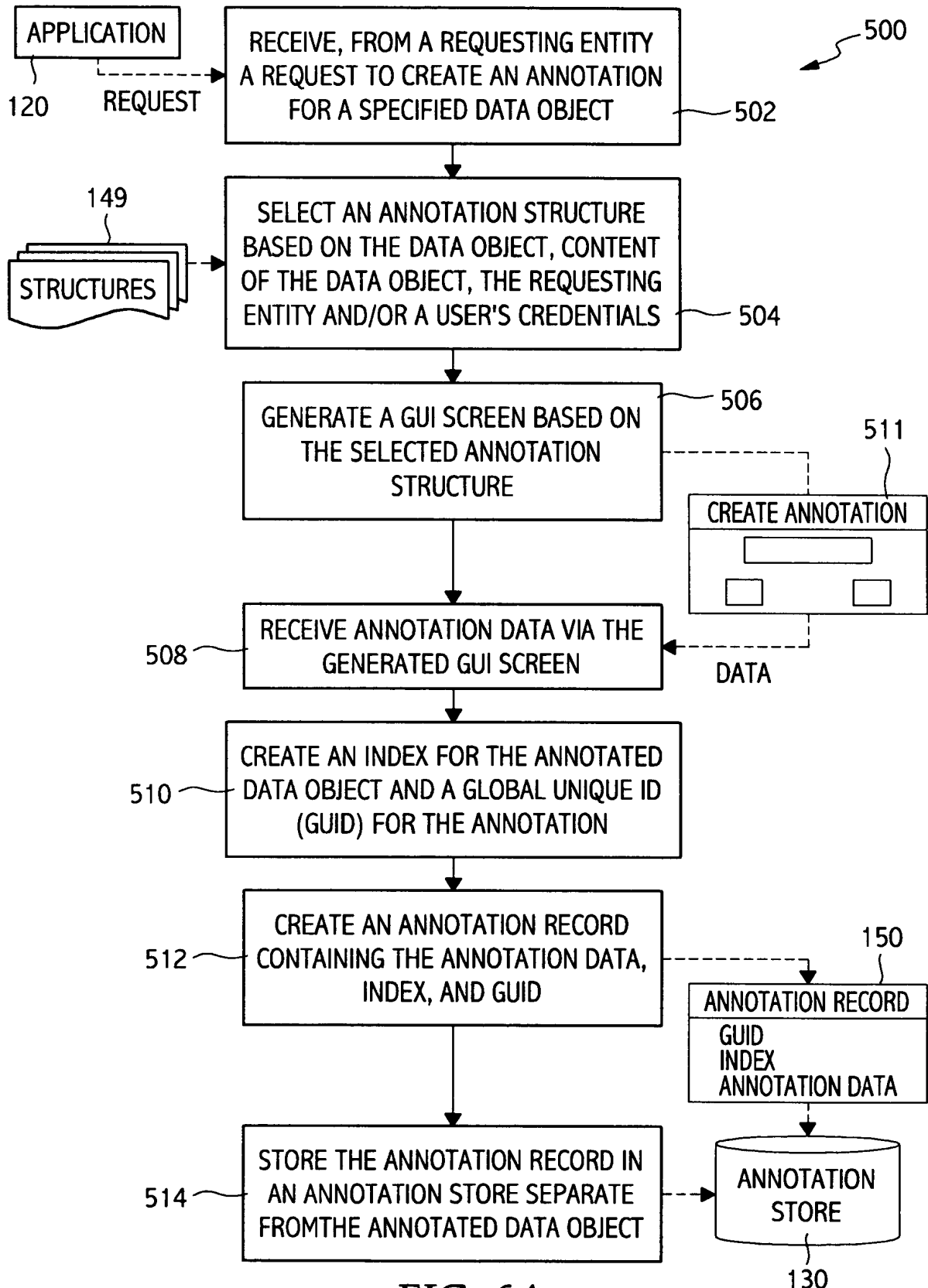


FIG. 6A

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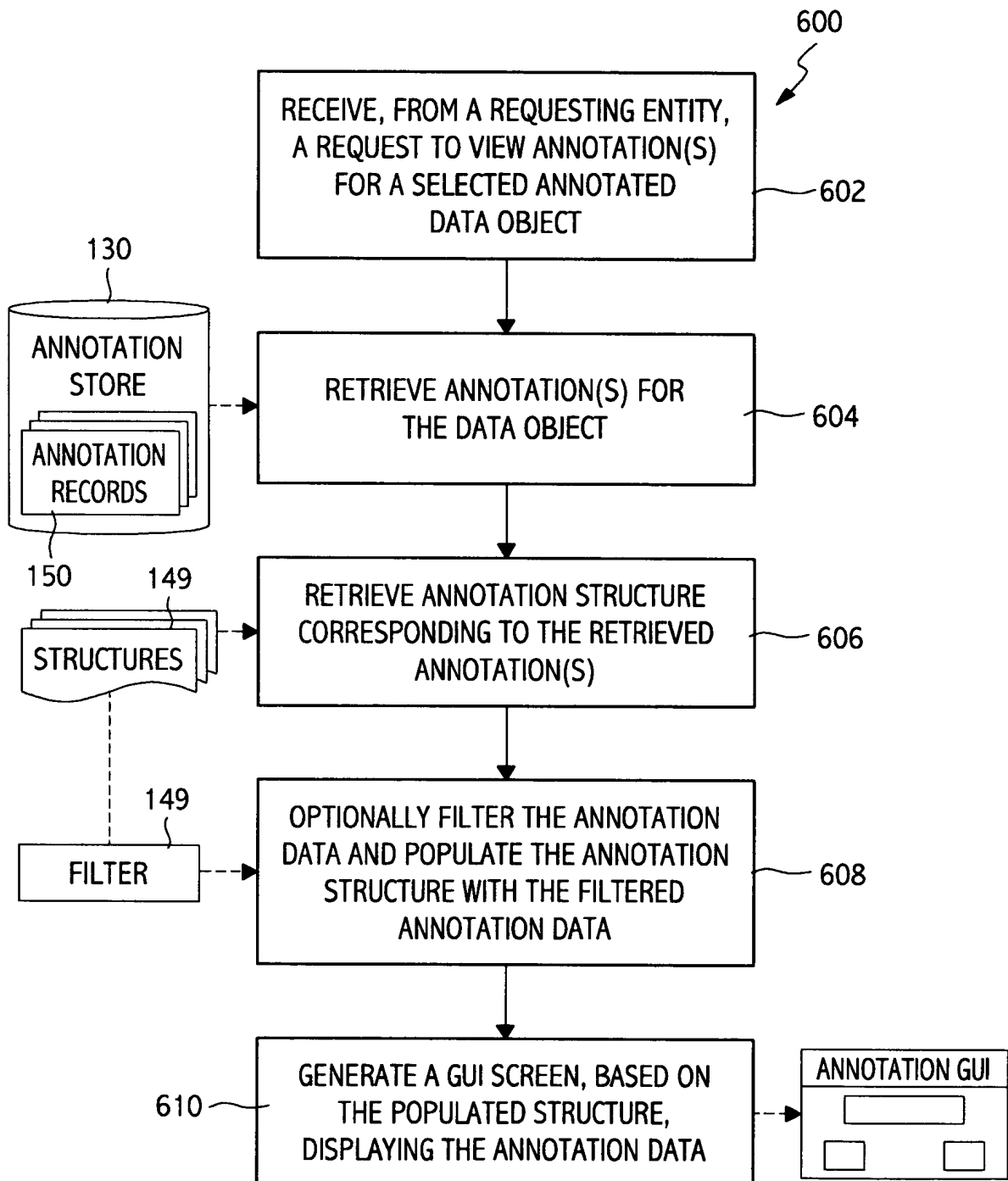


FIG. 6B

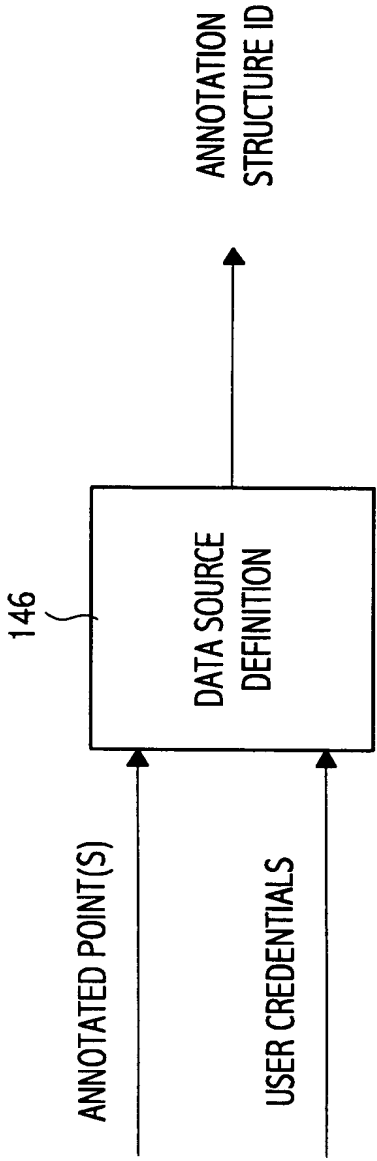


FIG. 7A

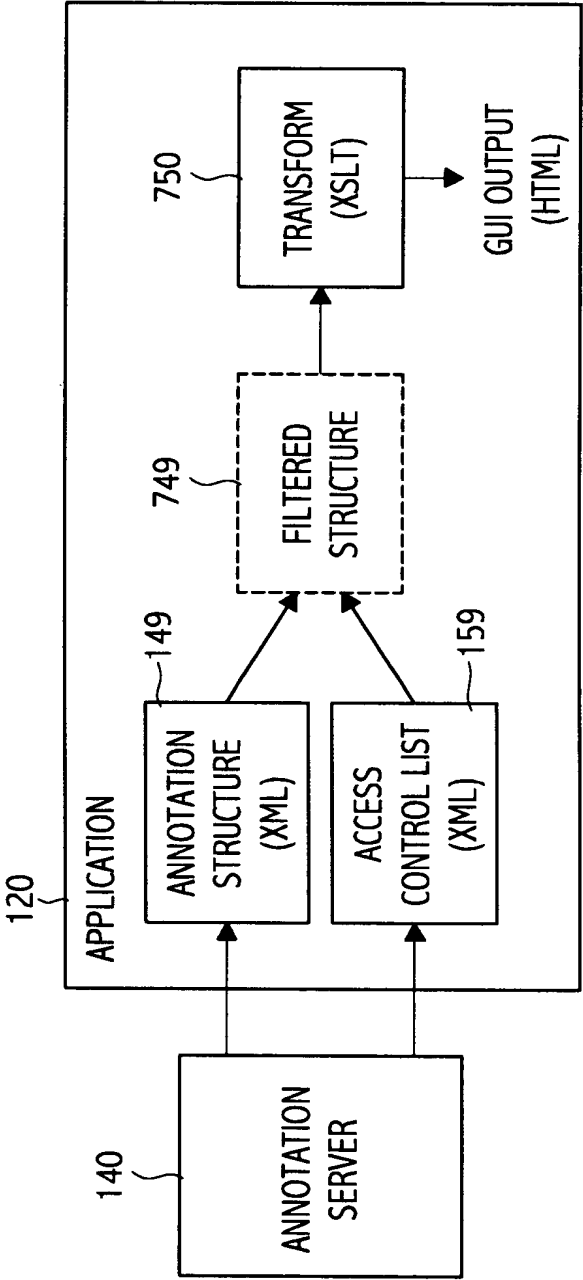


FIG. 7B

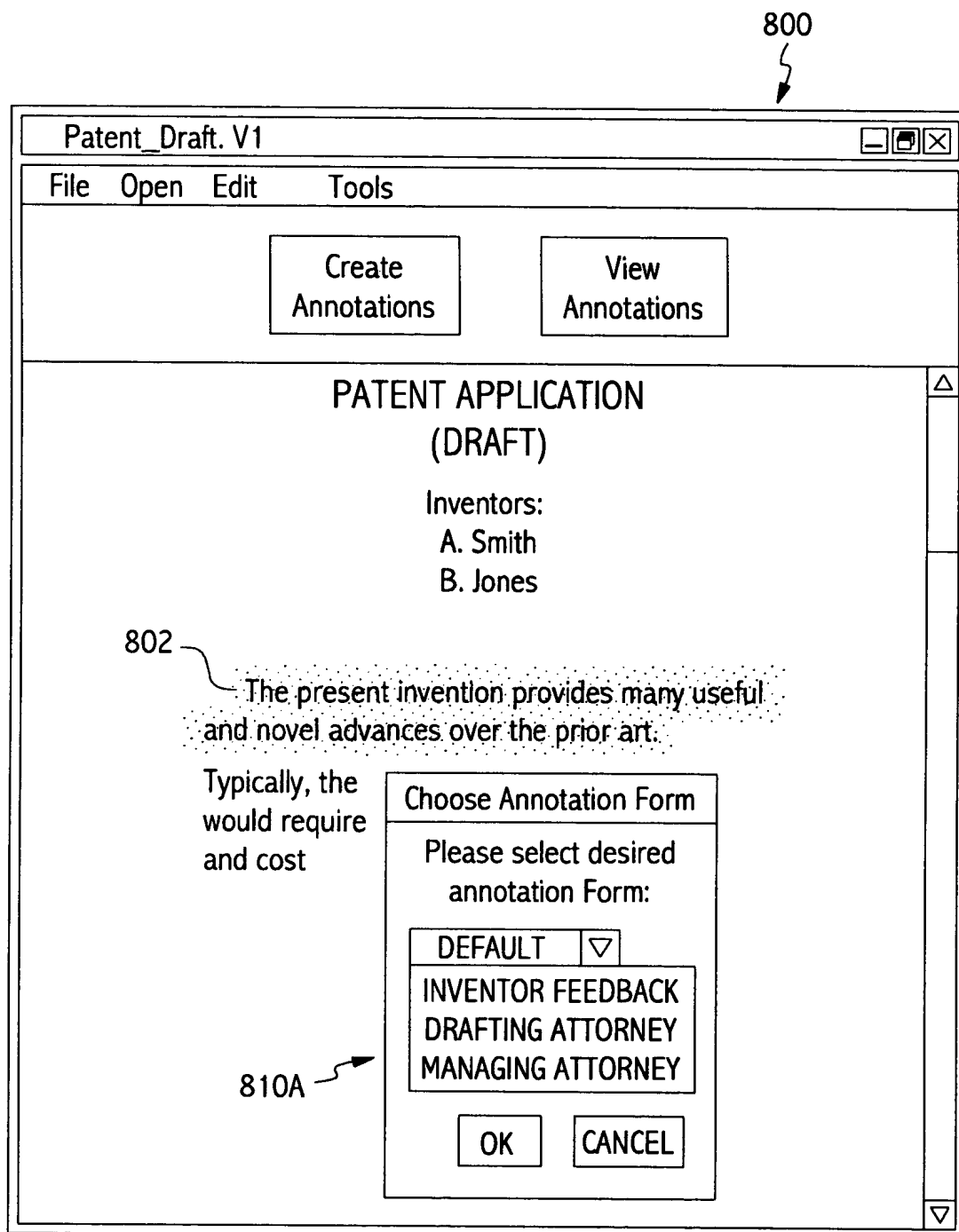


FIG. 8A

Patent_Draft. V1

FORM:

DEFAULT DATA OR DESCRIPTION:

Quality: ☐ Good ☐ Acceptable ☒ Marginal ☐ Poor

Keywords:

Comments:

810B

812B

814B

FIG. 8B

Patent_Draft. V1

FORM:

DEADLINE 01/01/01

FEEDBACK

Status: ☐ Good ☒ Acceptable ☐ Needs Revision ☐ Needs More Info

Patent Attorney: C. Moore

Inventor: A. Smith

Inventor Comments:

810C

812C

814C

FIG. 8C

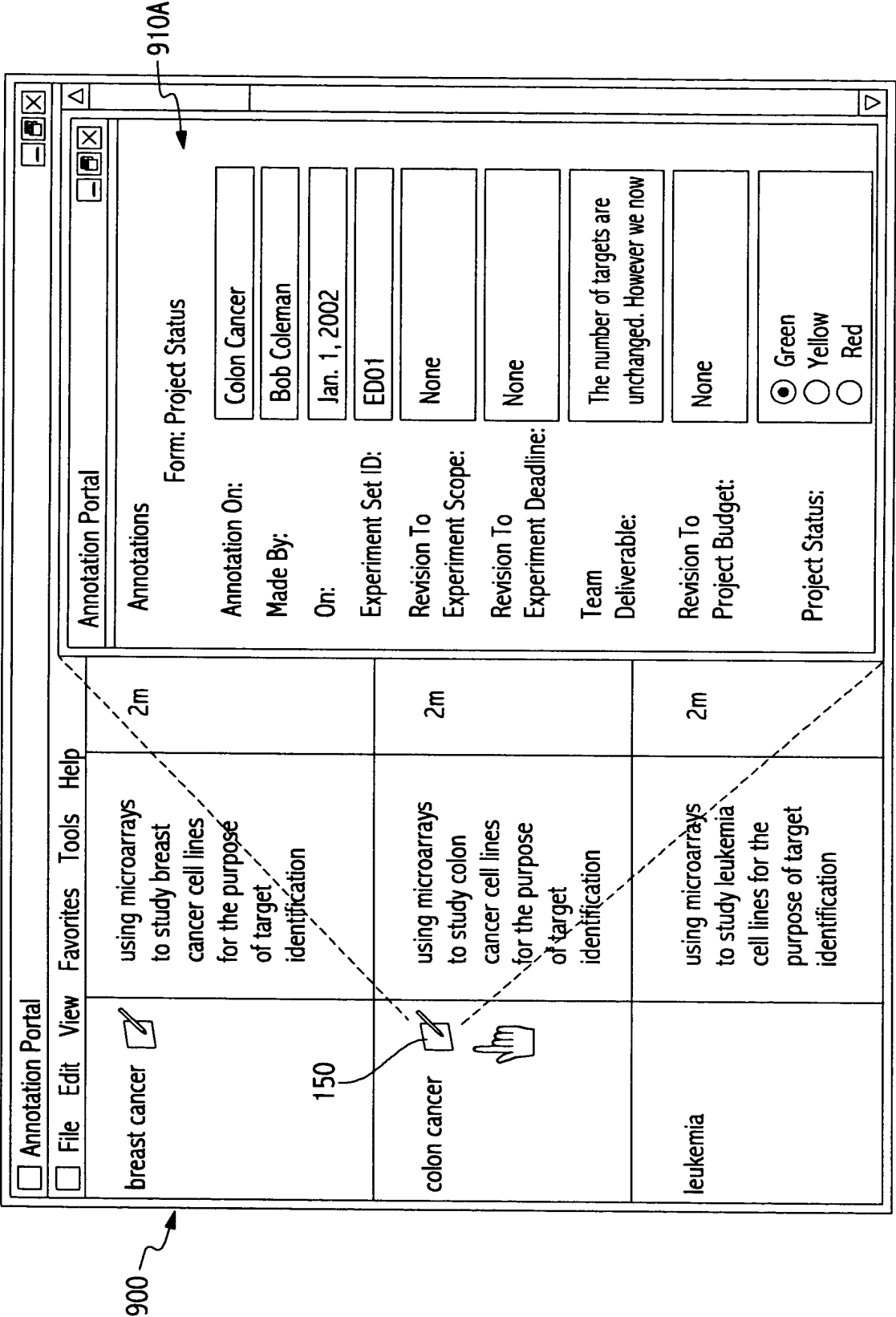


FIG. 9A

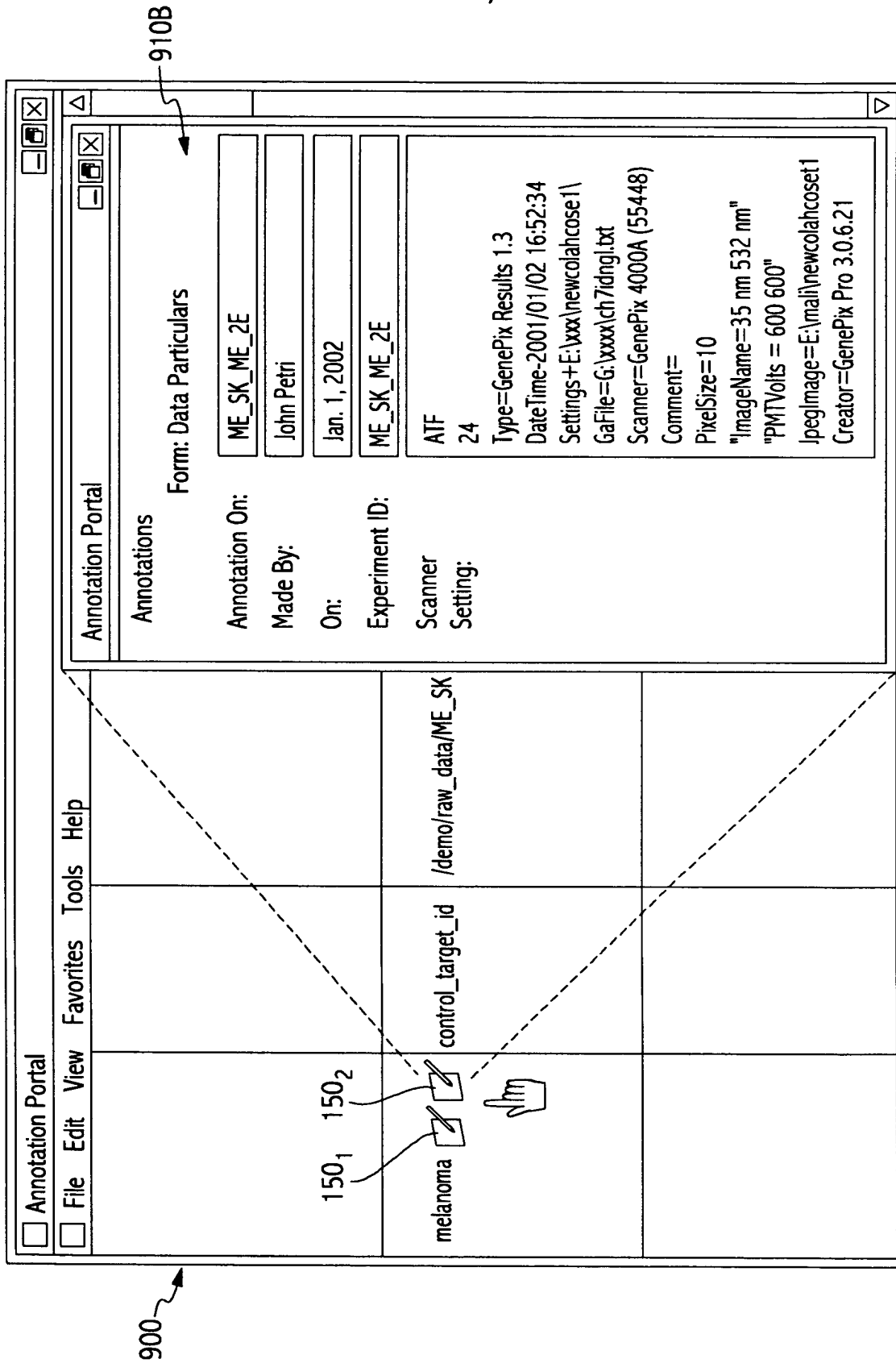


FIG. 9B

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Annotation Portal

File Edit View Favorites Tools Help

Home

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

SEARCH CONDITIONS

ACTION

Delete

Delete

Add Condition

NOT

☐

AND

☐

(PROJECT_NAME = target_identificatio-01)

(Spotfire Row Relevance of Observation = Extremely High)

1042

1044

Group Ungroup Apply Reset

OUTPUT

Change Data Change Format

SEARCH

Run Save Show Query Cancel

FIG. 10A

1000

The screenshot displays a software window titled "Annotation Portal" with a standard menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar. The main content area is divided into several sections. At the top, there is a "Home" button with a dropdown arrow, followed by a "Welcome" message, "Annotation Rules", and an "Annotation Browser" section showing "User: 1bata" and "Search: Unnamed". Below this is a section titled "ADD A SEARCH CONDITION". This section contains two sub-sections: "SEARCHABLE DATA FIELDS" and "SEARCHABLE ANNOTATION FIELDS". Each sub-section lists five options with radio buttons and corresponding dropdown menus. In the "SEARCHABLE DATA FIELDS" section, the options are Project (PROJECT_ID), Column Name (PROJECT_ID), Experiment (EXPT_SET_NAME), experiment_set (EXPT_SET_ID), and data_sets (PROCESS_ID). In the "SEARCHABLE ANNOTATION FIELDS" section, the options are Annotation (Link ID), Annotation Data (GUID), Suggested Analysis Methods (Key), Reference Data (Key), and Keyword Data (Key). At the bottom of the window are "Next" and "Cancel" buttons. A vertical scrollbar is visible on the right side of the window.

☐ Annotation Portal

☐ File Edit View Favorites Tools Help

Home ▾

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

SEARCHABLE DATA FIELDS

☐ Project PROJECT_ID ▾

☐ Column Name PROJECT_ID ▾

☐ Experiment EXPT_SET_NAME ▾

☐ experiment_set EXPT_SET_ID ▾

☐ data_sets PROCESS_ID ▾

SEARCHABLE ANNOTATION FIELDS

☐ Annotation Link ID ▾

☐ Annotation Data GUID ▾

☐ Suggested Analysis Methods Key ▾

☐ Reference Data Key ▾

☐ Keyword Data Key ▾

Next Cancel

FIG. 10B

1000

The screenshot shows a web-based application window titled "Annotation Portal". The interface includes a menu bar with "File", "Edit", "View", "Favorites", "Tools", and "Help". Below the menu is a breadcrumb navigation bar showing "Home". The main content area is divided into several sections:

- Welcome**: A simple text greeting.
- Annotation Rules**: A section for managing rules.
- Annotation Browser**: A section showing user information ("User: 1bata") and search status ("Search: Unnamed").
- ADD A SEARCH CONDITION**: A section for configuring search criteria, containing two sub-sections:
 - SEARCHABLE DATA FIELDS**: A list of radio buttons for selecting data fields: "Project", "Column Name", "Experiment", "experiment_set", and "data_sets". Each radio button is paired with a dropdown menu. The "Experiment" radio button is selected, and its dropdown menu shows "EXPT_SET_NAME".
 - SEARCHABLE ANNOTATION FIELDS**: A list of radio buttons for selecting annotation fields: "Annotation", "Annotation Data", "Suggested Analysis Methods", "Reference Data", and "Keyword Data". The "Annotation Data" radio button is selected. Its dropdown menu is open, showing a list of fields: "Link ID", "GUID", "Describe Gene", "Functional Theme in Cluster", "Spotfire Row Relevance of Observation", "Spotfire Row Comments", "Observation", and "Spotfire Row Relevance of Observation".

At the bottom of the "ADD A SEARCH CONDITION" section are "Next" and "Cancel" buttons. The interface also features standard window controls (minimize, maximize, close) in the top right corner.

FIG. 10C